

# APS Long Stroke Shaker ELECTRO-SEIS®

with Linear Bearings

Overview



**APS 113 horizontal**



**APS 400 horizontal**



**APS 400 vertical**  
with Reaction Masses APS 0412

## Applications

- Modal analysis of dynamic loaded structures
- Seismic simulation for component testing
- Testing of seismic instruments

## Range of Use

- Departments for the supervision of measuring instruments in research, industry, automotive, aviation, space, military and civil engineering
- Test and calibration laboratories

## Features

- Long stroke shaker for sine wave, swept sine wave, random or impulse force waveforms
- Roller bearing guidance and support
- Mountable to fixed and movable test objects

## Specifications

	APS 113	APS 113-HF High Force	APS 400
Force (Sine Peak)	133 N (30 lbf)	186 N (42 lbf)	445 N (100 lbf)
Velocity (Sine Peak)	1,000 mm/s (39 inch/s)		
Stroke (Peak - Peak)	158 mm (6.25 inch)		
Frequency Range	DC ... 200 Hz		
Operation	horizontal or vertical		
Armature Weight	2.3 kg (5.1 lb)		2.8 kg (6.2 lb)
Max. Overhung Load at Armature Attachment Point	9.0 kg (20 lb)		
Impedance	4.4 or 1.1 Ω	1.4 Ω	1.6 Ω
Total Shaker Weight	36.0 kg (80 lb)		73.0 kg (161 lb)
Dimension L x W x H	526 x 213 x 168 mm (20.7 x 8.4 x 6.6 inch)		526 x 314 x 178 mm (20.7 x 12.4 x 7.0 inch)

## Accessories (optional)

	Power Amplifier	System Cables for Connecting Shaker to Amplifier	Auxiliary Table Kit – Horizontal	Auxiliary Table Kit – Vertical	Auxiliary Table Kit – Horizontal and Vertical	Reaction Mass Assembly	Lifting Handles (Set of 4)	Carrying Handles and Tie-down Bars
APS 113	APS 125	APS 0082-6D	APS 0052	APS 0077	APS 0078	APS 0112	APS 0414	APS 0108
APS 400	APS 145	APS 0082-6D	APS 0452	APS 0477	APS 0478	APS 0412	APS 0414	APS 0421

Additional accessories available

All data are subject to change without notice

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